BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/04/2016-17, Date:24.08.2016 ITEM NO: 01

SCHEDULE-B

NAME OF WORK: Improvements & Asphalting to main & Cross roads at Muneshwara Block area in Ward No.13, in Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor R.Mangalraj	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification complete as per the direction of Engineer-in-charge of the work.	Cum	639.09	82.91	Rupees Eighty Two and Ninety One Paise Only
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	cum	106.52	5124.52	Rupees Five Thousand One Hundred Twenty Four and Fifty Two Paise Only
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed - 2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum	387.22	6065.09	Rupees Six Thousand Sixty Five and Nine Paise Only

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4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Qtl	241.43	6830.76	Rupees Six Thousand Eight Hundred Thirty and Seventy Six Paise Only
5	KSRB 4.6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. complete as per the direction of Engineer-in-charge of the work.	Sqm	2998.2	300.14	Rupees Three Hundred and Fourteen Paise Only
6	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications. complete as per the direction of Engineer-in-charge of the work.	Sqm	151.74	1595.2	Rupees One Thousand Five Hundred Ninety Five and Twenty Paise Only
7	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification complete as per the direction of Engineer-in-charge of the work.	Sqm	146.88	48.45	Rupees Forty Eight and Forty Five Paise Only
8	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. complete as per the direction of Engineer-in-charge of the work.	Cum	122.4	1708.82	Rupees One Thousand Seven Hundred Eight and Eighty Two Paise Only
9	Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. complete as per the direction of Engineer-in-charge of the work.	Sqm	336.6	32.3	Rupees Thirty Two and Thirty Paise Only

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10	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous tratement including cost of specificationsEngineer-in-charge of the work complete as per the direction of Engineer-in-charge of the work.	Sqm	2677.5	3.23	Rupees Three and Twenty Three Paise Only
11	Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications Engineer-in-charge of the work complete as per the direction of Engineer-in-charge of the work.	Sqm	2677.5	15.07	Rupees Fifteen and Seven Paise Only
12	Providing and laying bituminous concrete 30 - 40mm thickness Hot Mix Plant Usig using crushed aggregates of specified grading, premixed with bituminous binder at mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 500.9 complete in all respects with using 40 / 60 TPH Capacity With Sensor Paver Gr-II (30-45 mm) With 6% VG-30 bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work complete as per the direction of Engineer-in-charge of the work.	Cum	123.08	9851.28	Rupees Nine Thousand Eight Hundred Fifty One and Twenty Eight Paise Only
13	KSRRB 400-2.4: Carriage of mixed materials 10 Kms, For items of Sl.no 4. Rs. 5.20 per cum/km complete as per the direction of Engineer-in-charge of the work.	Cum	245.48	78.33	Rupees Seventy Eight and Thirty Three Paise Only
14	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading complete as per the direction of Engineer-in-charge of the work.	Cum	785.97	78.73	Rupees Seventy Eight and Seventy Three Paise Only

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Dasarahalli Division,

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